

# Best Practices in Modeling Using Enterprise Architect 14.x or 15.x

Two Day Course Syllabus

DAY I

## Introduction to Enterprise Architect

### User Interface

- Desktop layout

  - Overview, Start Page, Visual Style, Portals

- Ribbons

  - Perspectives, Workspace Layouts, and ribbon configuration

### Managing Projects

- Creating and opening Projects

- Creating Root Nodes and Packages

- Browser features

- Organizing models

### Managing Diagrams

- Toolbox

- Creation techniques

- Options in ribbons, context menu, properties dialog and window

- Navigation between diagrams

- Floating diagrams

- Copy/paste across diagrams

- Inline Specification Manager

### Managing Elements

- Creation techniques

- Editing properties

- Drag and drop

- Diagram only elements

### Customizing Diagram Element Appearance

- Background color, font, image

- Layering

- Feature visibility

- Sizing and alignment

### Deleting Model Elements

- Diagram level deletions

- Repository level deletions

### Managing Connectors

- Creation (toolbox and Quick Linker)

- Redirection

- Line bends and styles

### Managing Packages

- Package Navigation

- Identifying and selecting favorite Packages

- Package Browser/List View (overview)

## Tool Configuration

- Defining general types

- Personal and global configuration options

COURSE LEADER

## Frank Truyen

is a principal consultant and trainer, with 20+ years of experience in the IT industry as a developer, architect, consultant and manager.

Strong expertise in different modeling notations such as UML®, SysML®, SoaML™, UPDM™, ArchiMate® and BPMN™, allied with his extensive experience in using the Enterprise Architect modeling tool, allows Frank to successfully provide training and consulting services to a broad variety of customers across many industries.

## Modeling Business Architecture

### Managing Requirements

Creating Requirements via a diagram  
Creating Requirements using the Specification Manager  
Other features  
Importing & exporting using Microsoft Excel  
Organizing Requirements  
**Exercise**

### Structural models

UML (Conceptual) Class diagram

### Behavioral models

UML Use Case diagram  
    Key relationships  
    Diagram creation  
    Include and Extend relationships  
    Modeling and viewing (structured) Scenarios  
    Defining constraints  
    Tracing Requirements to Use Cases  
**Exercise**  
UML Activity diagram  
**Exercise**

DAY 2

## Modeling Application Architecture

### Structural models

UML Class diagram (Attributes)  
    Diagram creation  
    Modeling relationships  
    Defining Attributes  
    Defining Stereotypes and Tagged Values  
**Exercise**  
UML Component diagram  
**Exercise**  
UML Deployment diagram  
**Exercise**

### Behavioral models

UML Class diagram (Operations)  
    Defining Operations, Receptions, and Interfaces  
**Exercise**  
UML Sequence diagram  
    Combined Fragments  
**Exercise**

## Traceability and Navigation

Overview

The Relationships window

The Relationship Matrix

The Traceability window

Other traceability features

**Exercise**

## Core Tool Features

### Documentation Generation

RTF/DOCX/PDF generator

Diagram, Package, and Element options

Linking generated documents into Microsoft Word

Model documents

Master documents

Generating HTML

Other features

**Exercise**

### Document Artifacts

Creating

Linked Documents

External document links

Document window

**Exercise**

### Model Searches

Initiating

Configuring

Viewing results

Custom searches

Other features

**Exercise**

### Managing Baselines and comparing models

Creating baselines

Administering baselines

Package comparisons

Diagram comparisons

**Exercise**

## Extra Tool Features (as time permits)

### Diagram features

- Automatic layout
- Element resizing
- Connector features
- Boundaries, Swimlanes, Matrix, and Kanban
- Content filters
- Notes
- Active legends

### Element features

- Info View
- Element Browser
- Composite elements
- Linking notes to feature documentation
- Cloning diagrams, elements, Packages
- Time Aware Modeling

### Other features

- Working Sets
- Package management
- Charts, Dashboards, and Heatmaps
- Managing Hyperlinks
- Keyboard shortcuts and Getting help